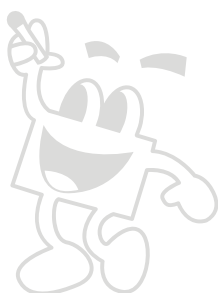
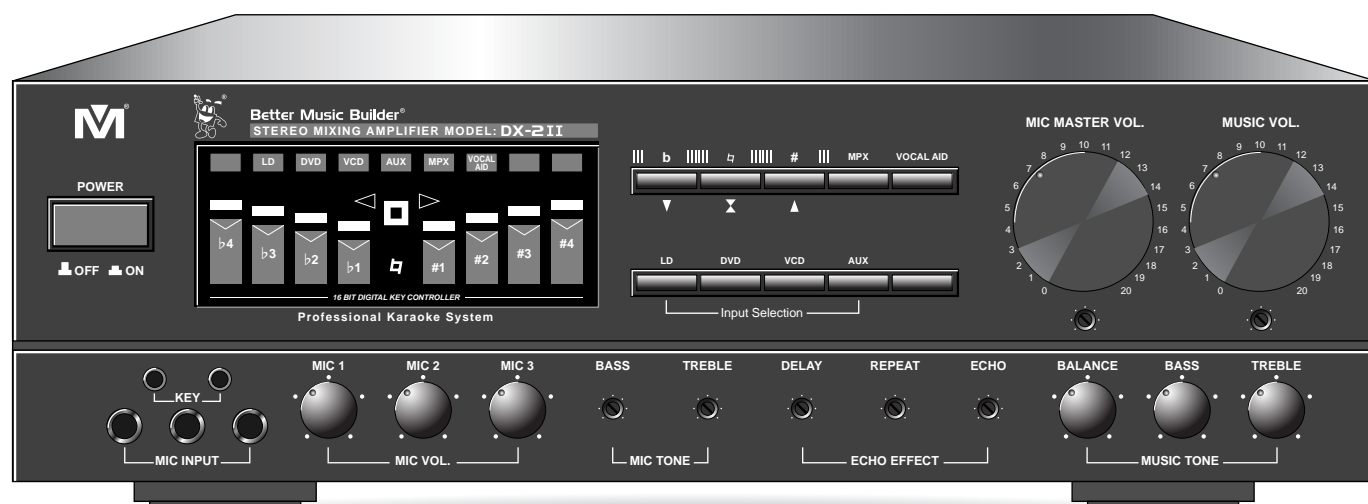


Better Music Builder is a leader in the Audio and Karaoke equipment industry. We are committed to offering you high quality audio products. Unlike any others brand, we deliver the best cost and value to you directly. We may update our manual on short notice, so we highly recommend downloading the latest update information including operation manuals, installation instructions, and other new technologies updates, etc. from our website www.BetterMusicBuilder.com.

OWNER'S MANUAL

PROFESSIONAL MIXING AMPLIFIER
















DX-2II



Thank you for purchasing this unit. To make full and effective use of this unit, please read this Owner's Manual carefully before operating it. Please retain this manual for future reference.

www.BetterMusicBuilder.com

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INTRODUCTION

Based on our observations and borrowing the proven design of Karaoke equipment in Asia, Better Music Builder has been constantly improving and developing state-of-the-art Karaoke technologies to satisfy the specific needs of the consumers in North America. Therefore, we have successfully designed both commercial and home entertainment Karaoke equipment for the North America consumers.

Thank you for choosing Better Music Builder Mixing Amplifier DX-211. We appreciate your vote of confidence in this product. Our talented engineering team has many years of experience in audio equipment design.

The DX-211 (also known as DX-211) Mixing Amplifier was a breakthrough in the karaoke industry. It is the original. It was the flagship as the very first generation mixing amplifiers for Better Music Builder. Whether in quality or sales, the DX-211 Mixing Amplifier was a great success. It was and still is one of the most reliable mixing amplifiers for karaoke systems.

Now the DX-211 Mixing Amplifier is regarded as the traditional amplifier with traditional designs with its 4 music inputs and microphone/music lock. It became the blueprint for all future Better Music Builder Mixing Amplifiers. It features the now standard 9-Steps Music Key Control for accommodating each individual's tonal capabilities and uses Smart Quiet Fan that turns on automatically when the machine senses a high temperature. Even after so many years since its first release, the DX-211 Mixing Amplifier is still one of the best selling amplifiers for Better Music Builder.

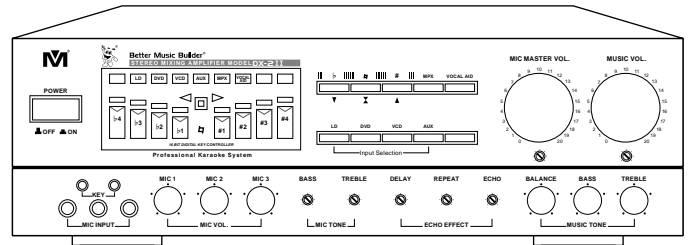


SYSTEM FEATURES

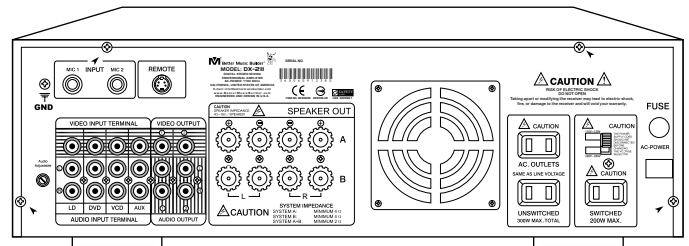
MIXING AMPLIFIER:

- Master Music Volume Control
- Master Microphone Volume Control
- Remote Control and line out for the wired control system
- Source inputs LD, VCD, CDG, AUX
- Music speed key control
- Built-in Super Quiet Fan
- 3 Microphone Inputs in the front panel
- Music Tone Control: Balance, Bass, Treble
- Microphone Tone Control: Bass, Treble
- Digital Echo Control: Echo, Delay, Repeat
- 4 channels speaker outputs
- AC-power switch able 110V~240V, 60Hz~50Hz

MIXING AMPLIFIER **DX-211** Front View



MIXING AMPLIFIER **DX-211** Rear View





SAFETY INSTRUCTIONS

We will not notify you any errors or changes in this manual in advance. If there are any errors and changes in this manual, we will make the corrections in a timely manner. The corrections and changes will be appeared in our website. Therefore, please visit our website at BetterMusicBuilder.com frequently to find out the most updated information, corrections on errors and changes in this manual. You may also contact us at toll free at 1-800-318-2218.



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK) NO USER-SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED PERSONNEL

1. Read Instructions: All the safety and operation instructions should be read before this product is operated.
2. Retain Instructions: The safety and operating instructions should be kept for future reference.
3. Warnings: All warnings on this product in these operating instructions should be followed.
4. Follow Instructions: All operating and other instructions should be followed carefully.
5. Water and Moisture: This product should not be used near water, for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, near a swimming pool, swamp or salivating St. Bernard dog, etc.
6. Cleaning: Clean only with a dry cloth.
7. Ventilation: This product should be situated so that its location or position does not interfere with its proper ventilation. For example, the Component should not be placed on a bed, sofa, rug, or similar surface that may block any ventilation openings, or placed in a built-in installation such as a bookcase or cabinet that may impede the flow of air through ventilation openings.
8. Heat: This product should be stayed away from heat sources such as radiators, or other devices producing heat.
9. Power Sources: This product should be connected to a power supply only of the type described in these operation instructions or as marked on this product.
10. Power Cord Protection: Power supply cords should be routed so that they are not likely to be walked upon or pinched by items placed upon or against them. Please pay particular attention to cords plugs, convenience receptacles, and the point where they exit this product.
11. Object and Liquid Entry: Care should be taken so that objects do not fall on, or liquids are not spilled into this product.

12. Damage Requiring Service: This product should be serviced only by qualified service personnel when:

- A. The power-supply cord or the plug has been damaged; or
- B. Objects have fallen, or liquid has spilled into this product; or
- C. This product has been exposed to rain; or
- D. This product does not appear to operate normally or exhibits a marked change in performance; or
- E. This product has been dropped, or its chassis has been damaged.

13. Servicing: The user should not attempt to service this product beyond those means described in this operating manual. All other servicing should be referred to the Service Department.

14. To prevent electric shock, do not use this polarized plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.

15. Grounding or Polarization: Precautions should be taken so that the grounding or polarization means of this product is not defeated.

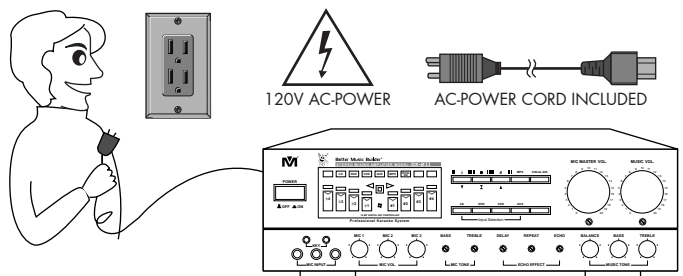
16. Power Precaution: Unplug this product during lightning storms or when unused for long periods of time. Note that this product is not completely disconnected from the AC power source when the power switch is in the OFF position.

17. This machine does not exceed the Class A/Class B (whichever is applicable) limits for radio noise emissions from digital apparatus as set out in the radio interference regulations of the US Department of Communications.

AC-POWER SOURCES

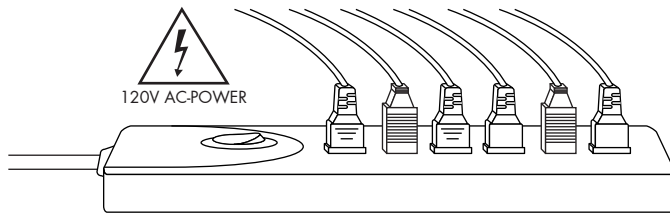
This set should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of electrical power supplied to your home, consult your dealer or local power company. For those sets designed to operate from battery power, or other sources, refer to the operating instructions.

This unit is designed for use with 120V/60Hz AC. If the area where you live have different power source, you may need to use a transformer to convert to 120 Volts AC.



OVERLOADING

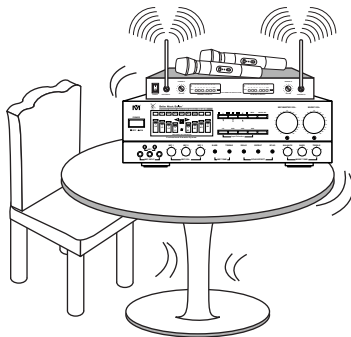
Do not overload wall outlets, extension cords or convenience receptacles beyond their capacity, since this can result in fire or electric shock.



An appliance and cart combination should be moved with care. Quick stops, excessive force and uneven surfaces may cause the appliance and cart combination to overturn.

Do not place the electronic equipment onto the unstable table or stand.

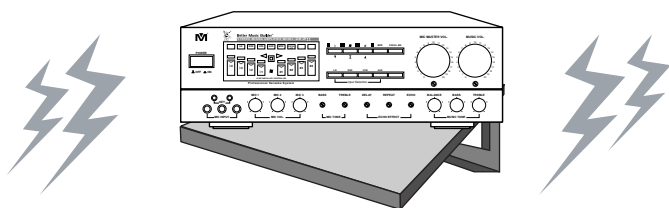
It is because it would fall easily from the unstable table or stand, so it may cause accident including personal injuries and damage the equipment. Please follow our instructions to install the equipment, or you may hire a professional technician to handle the installation for safety purpose.



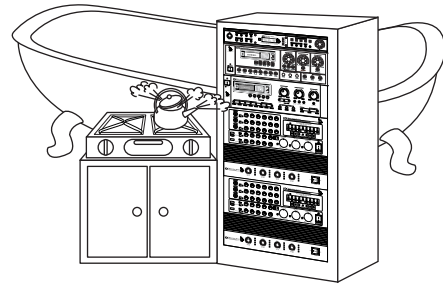
Do not place the set on an unstable cart, stand, tripod, bracket, or table. The set may fall, causing serious injury to a child or an adult and serious damage to the set. Use only a cart stand tripod, bracket, or table recommended by the manufacturer.

For the set with a three-wire grounding type ac plug:

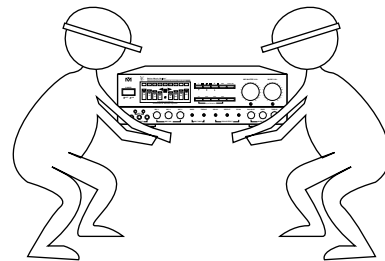
This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to have a suitable outlet installed. Do not defeat the safety purpose of the grounding plug.



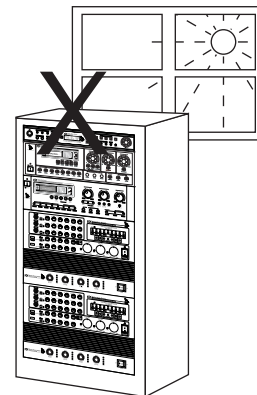
Do not store the electronic equipment near water or area with moisture such as bathroom, kitchen sink, laundry area and swimming pool, etc.



Do not transport the electronic equipment by yourself if its weight exceeds 70 pounds. It is recommended that two people work together to transport the equipment or by using hand truck and the like.

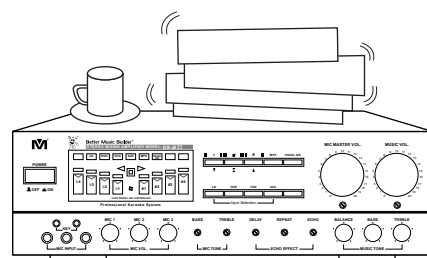


Do not place the electronic equipment directly under sunlight or close to the window. It may cause overheat on the electronic equipment by the sunlight.

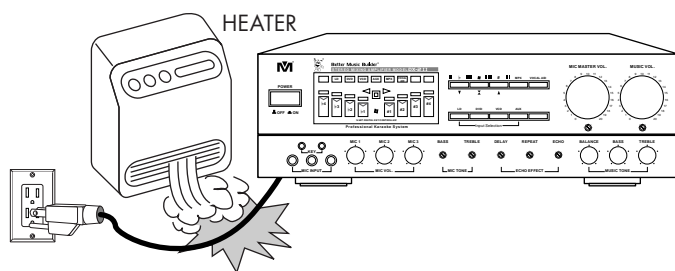


Do not block the openings and vents in the cabinet which is designed for the ventilation of the electronic equipment.

The blocking may cause overheat in the electronic equipment because of insufficient circulation of air, so it would damage the electronic equipment.

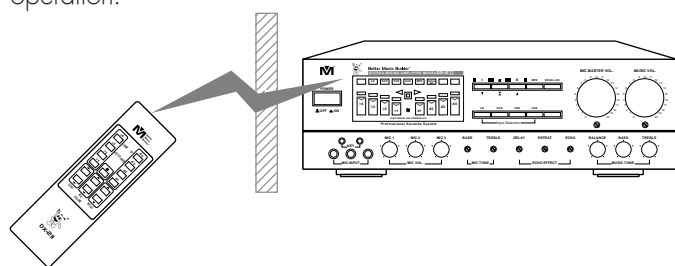


Do not place the electronic equipment near heat sources such as stoves, radiators and heaters, etc. Placing the electronic equipment too near to these heat sources would result in damaging the equipment and causing fire.



Using the Remote Control Unit

Use the remote control unit by pointing it towards the remote control sensor on the amplifier. Objects between the remote control unit and the remote control sensor may prevent proper operation.



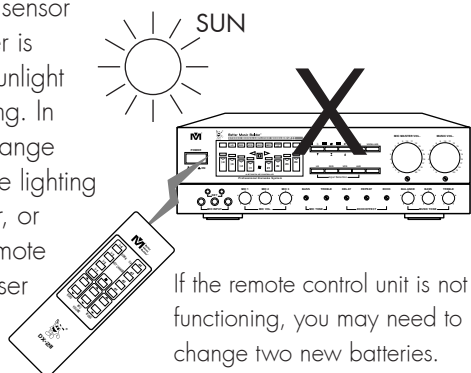
Cautions Regarding the Remote Control Unit

- Do not expose the remote control unit to shock. In addition, do not expose the remote control unit to liquids, and do not place in an area with high humidity.



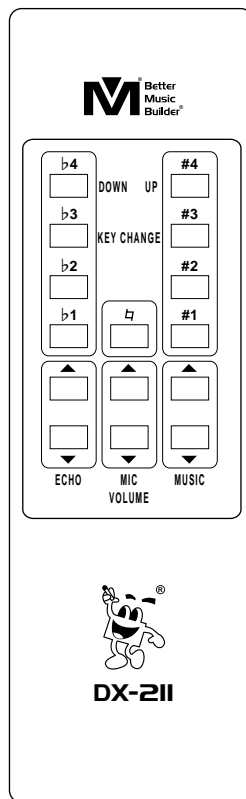
- Do not install or place the remote control unit under direct sunlight. The heat may cause deformation of the remote control unit.

- The remote control unit may not work properly if the remote control sensor on the amplifier is under direct sunlight or strong lighting. In such cases, change the angle of the lighting or the amplifier, or operate the remote control unit closer to the remote control sensor.

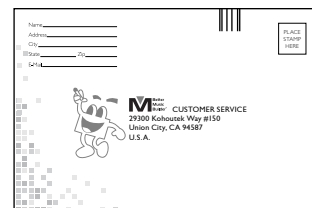


PACKAGE ACCESSORIES

The Package accessories include a remote control and one AC power cord. All other accessories mentioned in the manual for installation purpose are not included. They are sold separately.

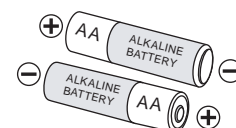


Remote Control



Consumer warranty and registration card

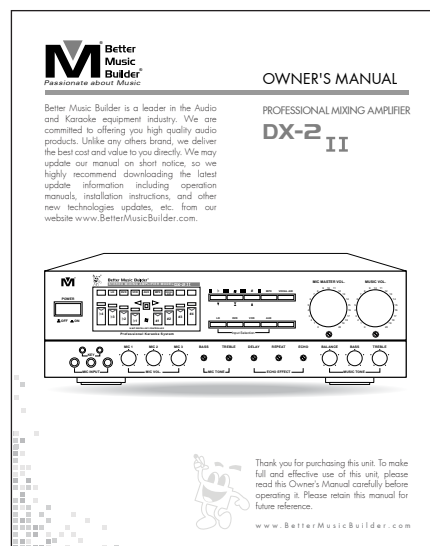
<Mail in U.S.A. only> Consumers from Canada can get the warranty card by downloading it from our website www.BetterMusicBuilder.com.



Battery size: AA (R6 1.5 V)



AC power cable (6 feet)
United States (2M) to IEC (F)



Owner's Manual

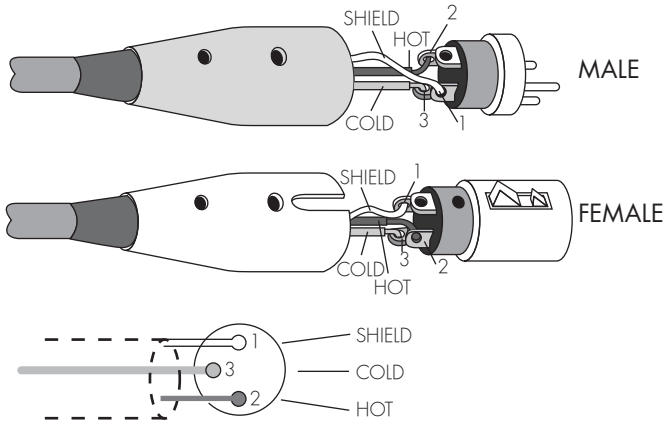


SYSTEM APPLICATIONS

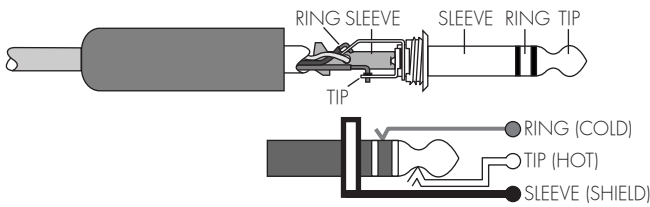
CONNECTOR INFORMATION

Balanced XLR Connectors

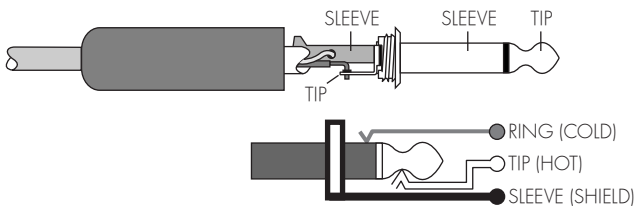
	XLR	TRS
Hot (+)	Pin 2	Tip
Cold (-)	Pin 3	Ring
Shield (Ground)	Pin 1	Shield



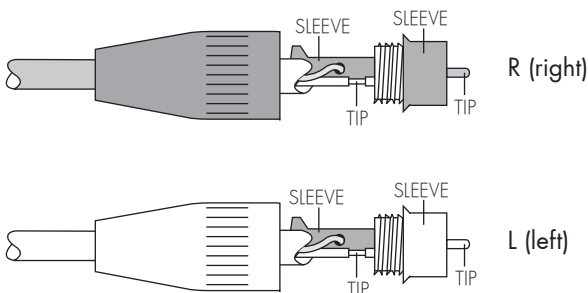
Balanced 1/4" TRS Plug



Unbalanced 1/4" TRS Plug

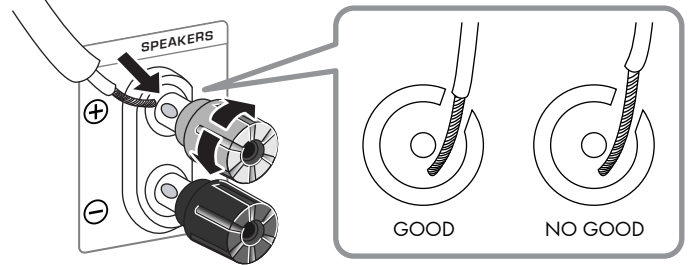


RCA Unbalanced Jack

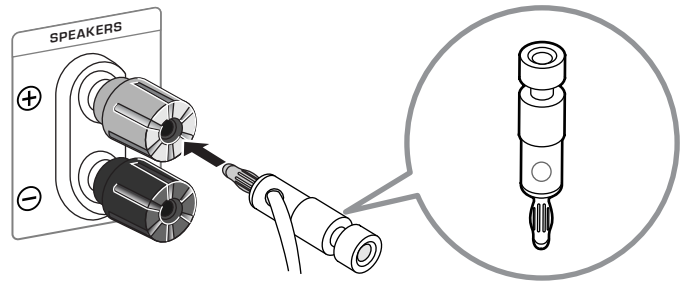


METHODS OF SPEAKER CONNECTION

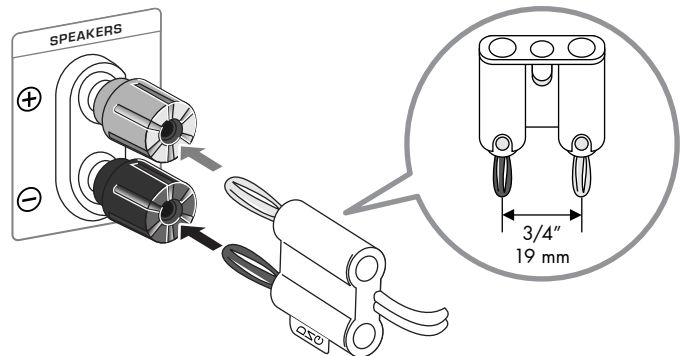
1. Insert Type (Poor Connection)



2. Single Banana Plug Type (Better Connection)



3. Double Banana Plug Type (Standard Connection)



Either banana plug or insert type can be used to connect the unit to speakers. Be sure to connect red (+) to red (+) and black (-) to black (-). Otherwise, the sound output would be 180° out of phase and distorted.

Follow these steps if you are inserting the wire directly into the speaker terminal.

1. Strip off the vinyl covering and twist the tip of the wire core.
2. Loosen the knob and insert the wire core into the terminal hole.
3. Tighten the knob to fix the wire core in place.

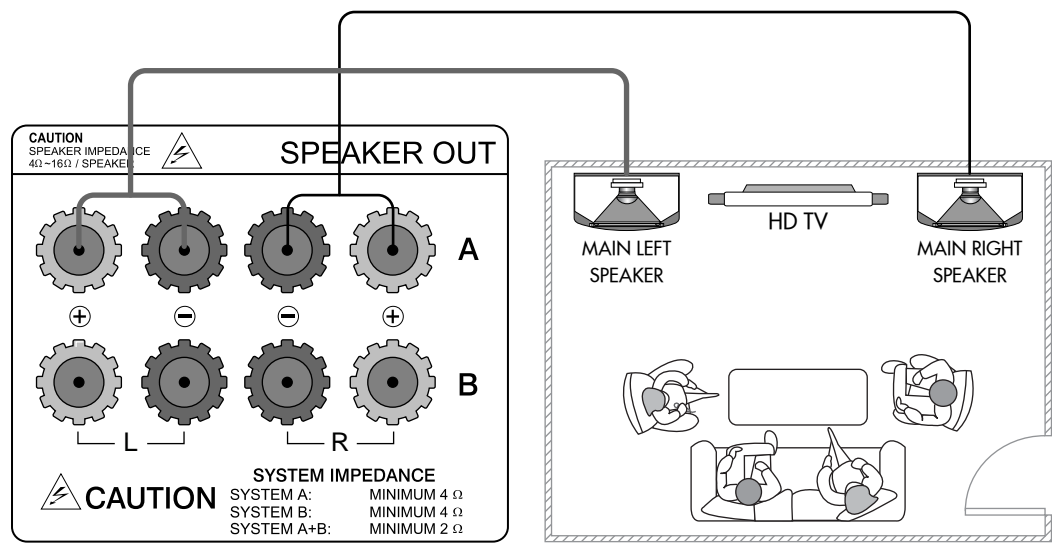
Do not allow the wire core to protrude or touch other terminals or wires.

If the cores of differing wires touch, damage may result to your components.

CONNECTING THE MAIN SPEAKER

DX-211 is capable of driving four main speakers, which are grouped in Group A and Group B. We recommend you using different size of speakers for Group A (10-inch woofer or bigger) and Group B (6-inch woofer). Under this arrangement, Group A speaker can produce greater bass

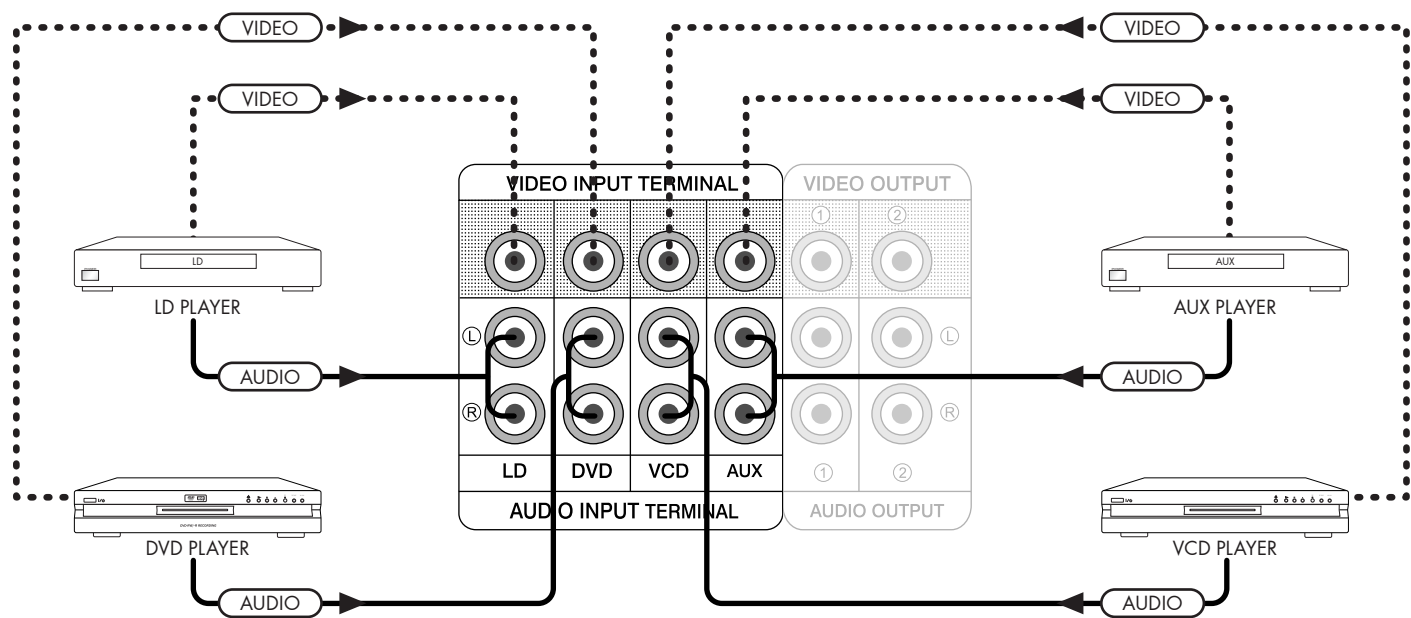
music output while Group B speaker can produce clear vocal. The mixing of music and vocal is important to produce quality sound for singing. Therefore, the audience can feel different effects from Group A and Group B speakers. You can also adjust the vocal on both speakers, or you can adjust the vocal in either speaker by adjusting the balance.



CONNECTING THE AUDIO/VIDEO INPUT SOURCE

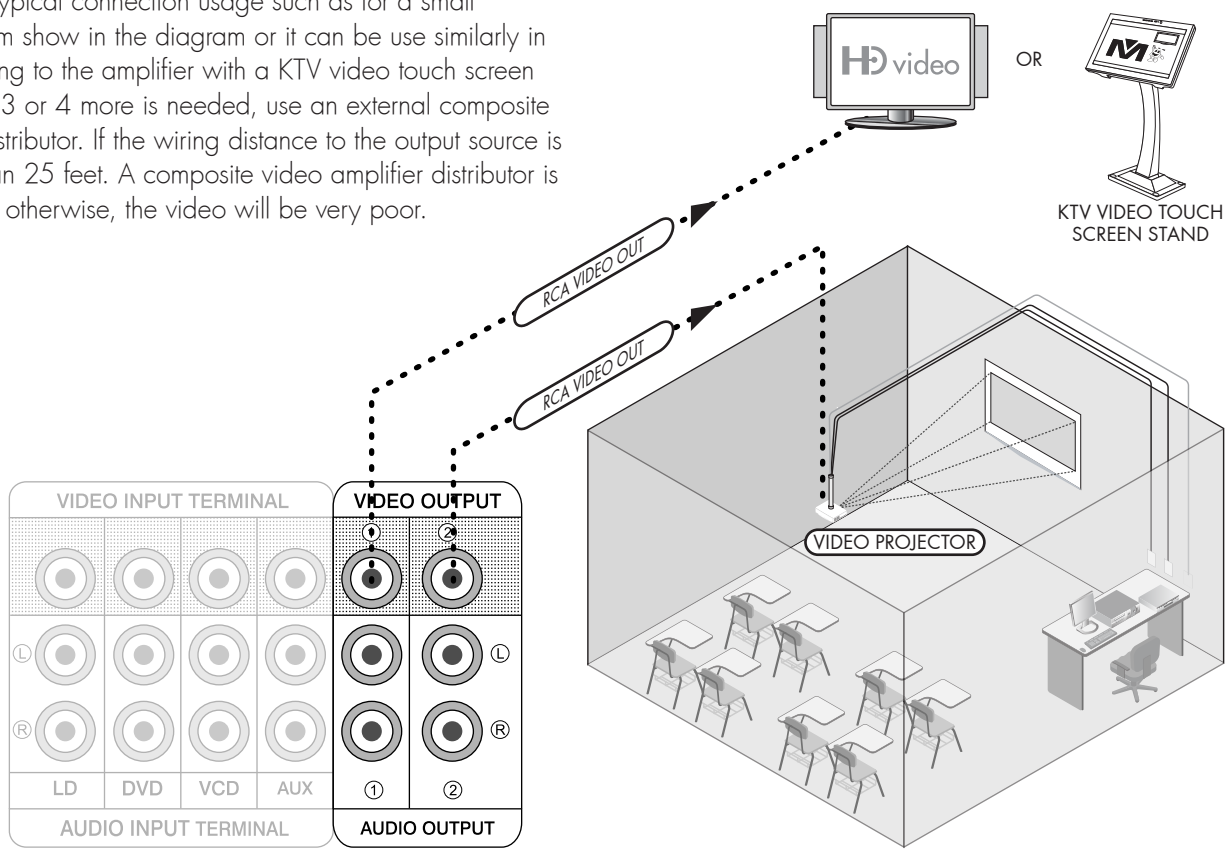
Before connecting the source (i.e. LD, DVD, VCD and AUX), turn off the power for all machine, so it would protect electric shock and prevent damage to the equipment. To connect the AV source, the first thing to do is to connect the audio source

to the amplifier input. Then, connect the video source. Please refer to the following diagram. To ensure high quality sound and video, we recommend using high quality cables and connectors.

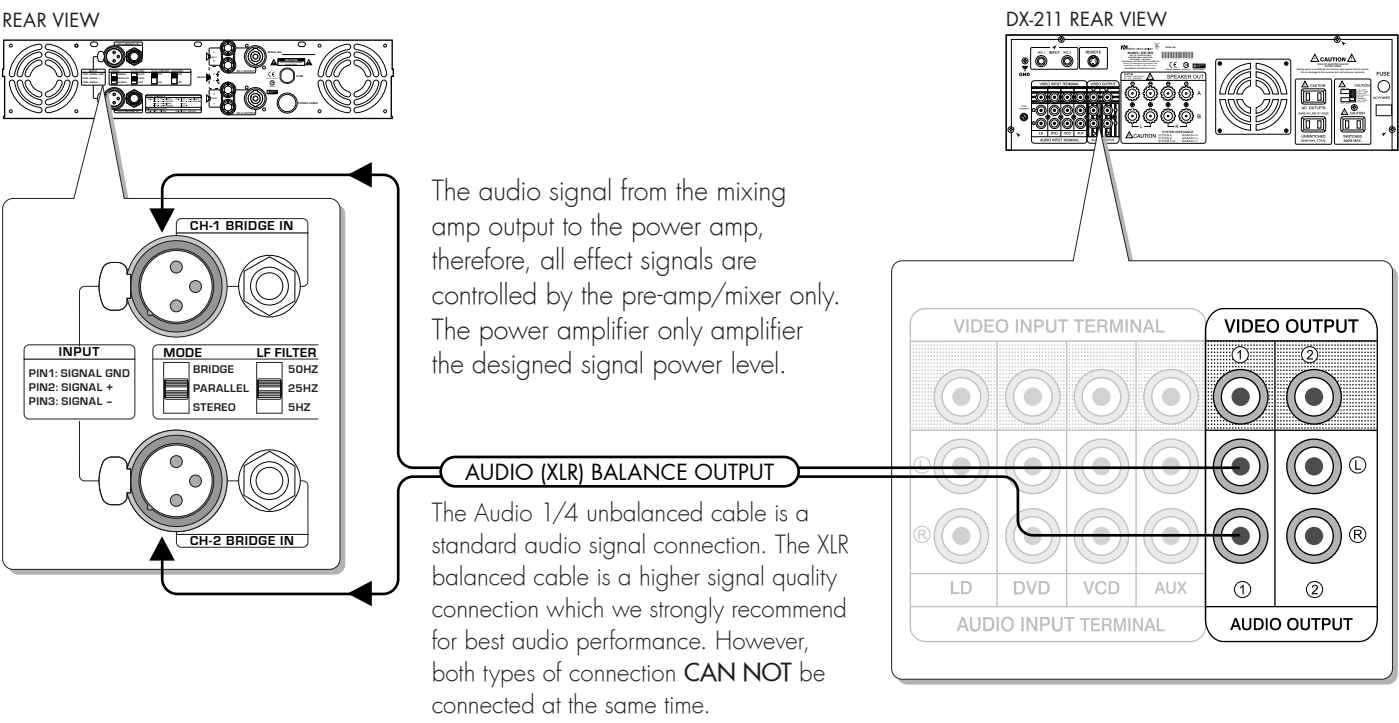


CONNECTING THE VIDEO OUTPUT SOURCE

The DX-211 comes with two dedicated composite video output. Typical connection usage such as for a small classroom show in the diagram or it can be use similarly in connecting to the amplifier with a KTV video touch screen stand. If 3 or 4 more is needed, use an external composite video distributor. If the wiring distance to the output source is more than 25 feet. A composite video amplifier distributor is needed; otherwise, the video will be very poor.



CONNECTING THE AUDIO OUTPUT SOURCE



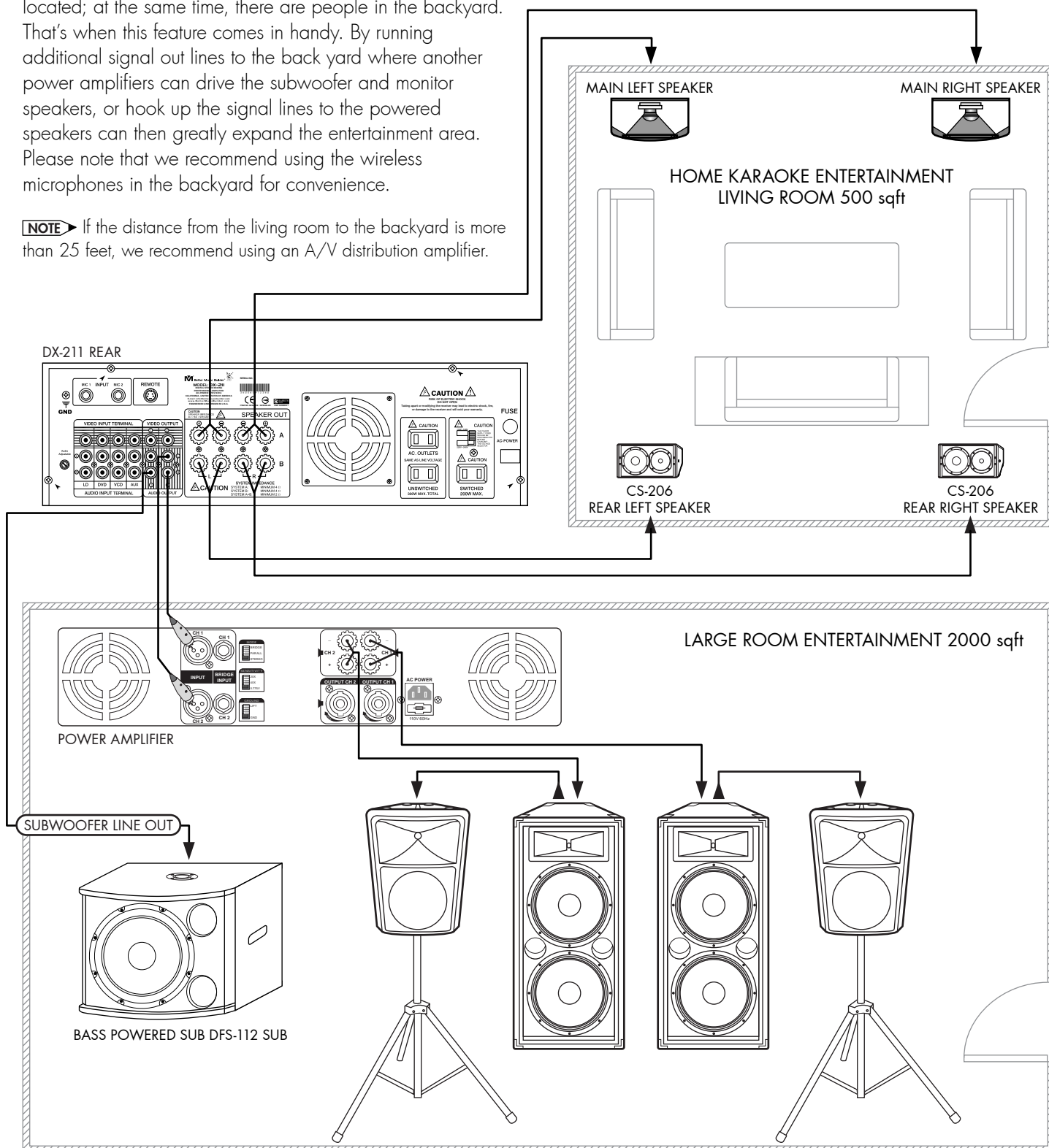
CONNECTING THE AUDIO/VIDEO OUTPUT SOURCE

AUDIO OUT

The DX-211 is versatile. The differences for the DX-211 from the high-end models DX-222 G2 and the DX-288 G2 is that it is less external signal line outputs for recording and connection to external power amplifiers to drive subwoofers and monitor speakers. DX-211 is the basic model.

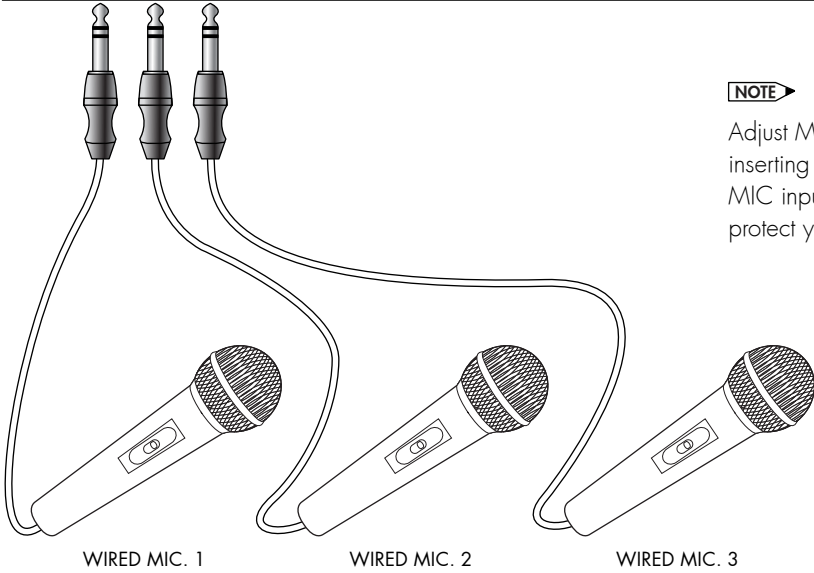
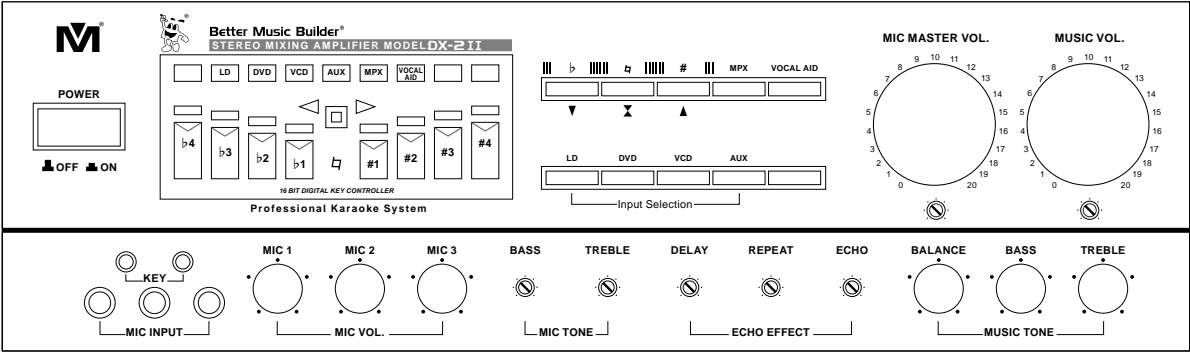
For example, if you are having a party, you may have guests in the living room where the DX-211 and the 5 speakers are located; at the same time, there are people in the backyard. That's when this feature comes in handy. By running additional signal out lines to the back yard where another power amplifiers can drive the subwoofer and monitor speakers, or hook up the signal lines to the powered speakers can then greatly expand the entertainment area. Please note that we recommend using the wireless microphones in the backyard for convenience.

NOTE If the distance from the living room to the backyard is more than 25 feet, we recommend using an A/V distribution amplifier.



CONNECTING THE MICROPHONE

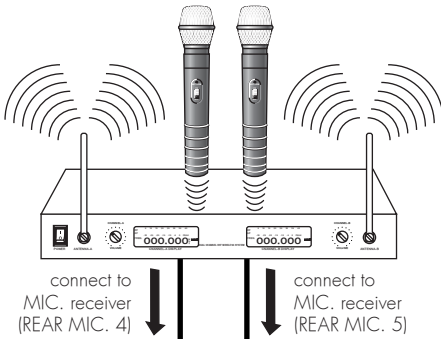
DX-211 FRONT PANEL



NOTE

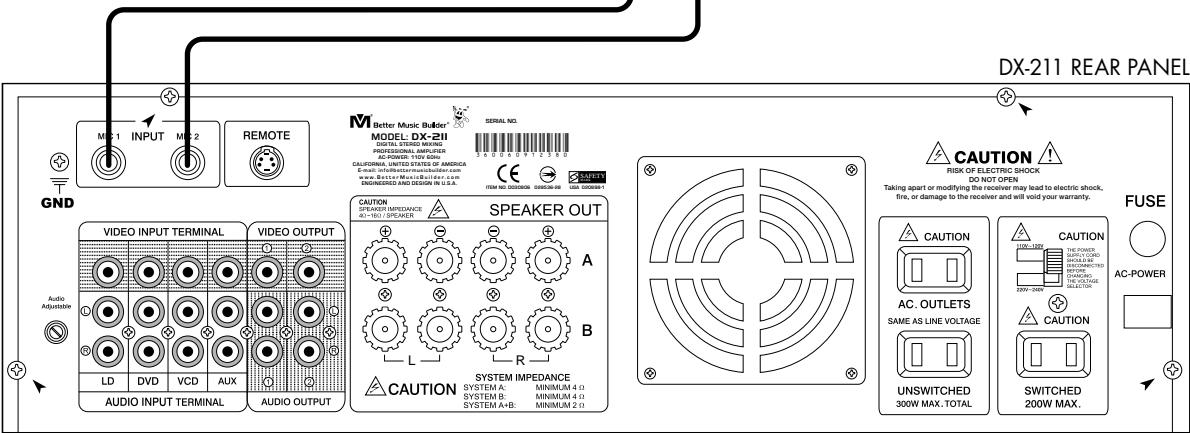
Adjust MIC Master Volume to 0 dB before inserting 1/4" microphone plugs into the MIC inputs to avoid unpleasant noise and protect your equipment from damage.

WIRELESS MICROPHONE RECEIVER



This jack is for connecting microphones to input 1 and rear MIC. Input 4. They are at the same terminal. Rear input is designed for wireless microphone.

This jack is for connecting microphones to input 2 and rear MIC. Input 5. They are at the same terminal. Rear input is designed for wireless microphone.

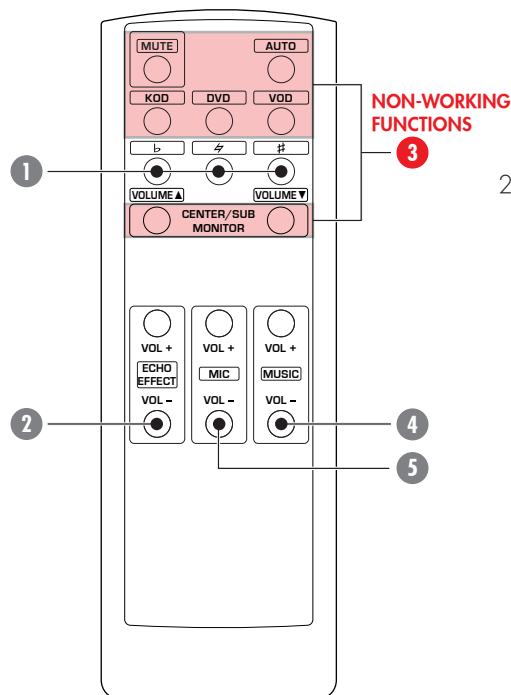


DX-211 REAR PANEL



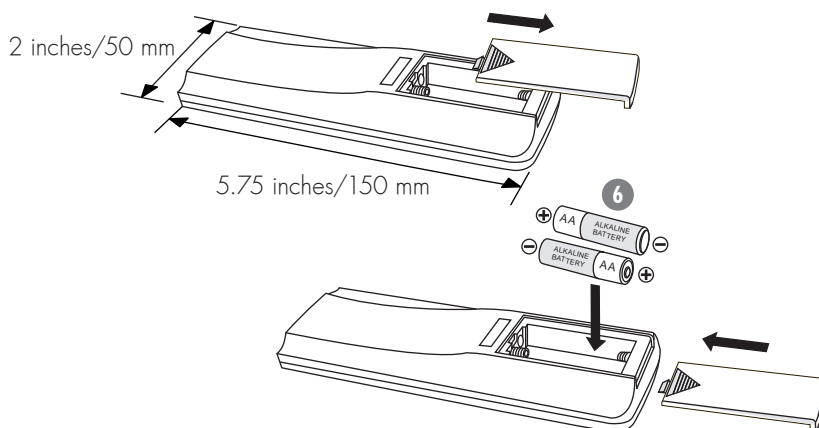
CONTROLS AND FUNCTIONS

REMOTE CONTROL:



STOP RETURN DX-211 TO SELLERS IMPORTANT: NON-WORKING REMOTE

This remote control is good for commercial KTV rooms



1 KEY CONTROL: ♭ LOW, ♮ NATURAL, # HIGH

Key control button controls the music speed.

2 ECHO EFFECT VOLUME CONTROL

Microphone Echo Volume control from 00 to 90.

3 NON-WORKING FUNCTIONS

The highlight buttons (MUTE, AUTO, KOD, DVD, VOD, CENTER/SUB MONITOR) do not work with this model. These functions only work for higher models: DX-288 G2 and DX-288 G3.

This remote control is good for commercial KTV rooms since it can also control DX-288 G2 and DX-288 G3.

4 MUSIC MASTER VOLUME CONTROL

Music Master Volume control from 00 to 90.

5 MICROPHONE VOLUME CONTROL

Microphone Master Volume control from 00 to 90.

6 INSERTING BATTERIES

Insert two size AA 1.5V (R6) alkaline batteries as shown. Close the cover of the battery case.

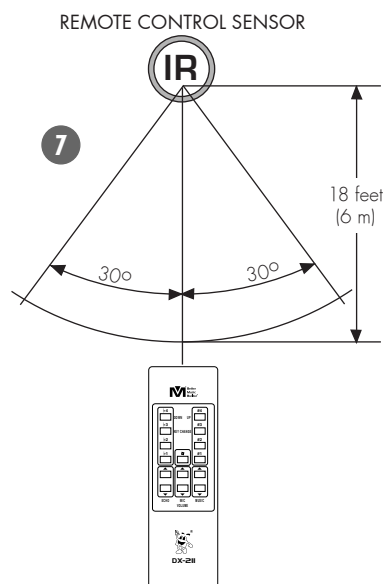
NOTE

Remove the batteries to avoid damage from possible battery leakage whenever you anticipate that the remote control will not be used for an extended period.

Handle the remote control with care. Avoid dropping it, getting it wet, or placing it in direct sunlight, near a heater, or where the humidity is high.

7 USING THE REMOTE CONTROL UNIT

When operating the remote control unit, point the unit's infrared signal transmitter at the remote control remote sensor on the front panel. The remote control unit can be used within a range of about 18 feet (6m) from the remote sensor, and within angles of up to about 30 degrees.



FRONT PANEL:

1 POWER SWITCH ON/OFF

2 DISPLAY SCREEN

3 SOURCE INPUT TERMINAL: LD, VCD, CDG, AUX

4 MUSIC KEY CONTROL BUTTON

These buttons control the speeds of the music.

5 DIGITAL KEY CONTROL

6 MIC. GAIN VOLUME ADJUSTMENT

This microphones output level limiteris for limiting the output power for speaker protection.

7 MIC MASTER VOLUME CONTROL

This volume control adjusts the different MIC volume settings.

8 MUSIC GAIN VOLUME ADJUSTMENT

This music output level limiter is for limiting the output power for speaker protection.

9 MUSIC VOLUME CONTROL

This volume control adjusts the volume of the musical source.

10 KEY CONTROL INPUT

11 MIC 1, 2 & 3 INPUT

12 MIC 1 VOLUME CONTROL

This volume control microphone 1 volume level.

13 MIC 2 VOLUME CONTROL

This volume control microphone 2 volume level.

14 MIC 3 VOLUME CONTROL

This volume control microphone 3 volume level.

15 MIC TONE CONTROL: BASS

The bass controls the microphone low tones with 16 steps resolution, from -8dB ~ 8dB adjustment.

16 MIC TONE CONTROL: TREBLE

The treble controls the microphone high tones with 16 steps resolution, from -8dB ~ 8dB adjustment.

17 ECHO EFFECT CONTROL

These knobs control the music delay, repeat, and echo.

DELAY: This is the echo delay control for the microphone effects. Turning the knob to increase and decrease the echo delay time coming from the microphone; with 32 steps resolution, from 0 ~ 31 adjustment.

REPEAT: This is the echo repeat control for the microphone effects. Turning the knob to increase and decrease the repeat time coming from the microphone; with 32 steps resolution, from 0 ~ 31 adjustment.

ECHO: This is the echo reverb control for the microphone effects. Turning the knob to increase and decrease the reverb time coming from the microphone; with 32 steps resolution, from 0 ~ 31 adjustment.

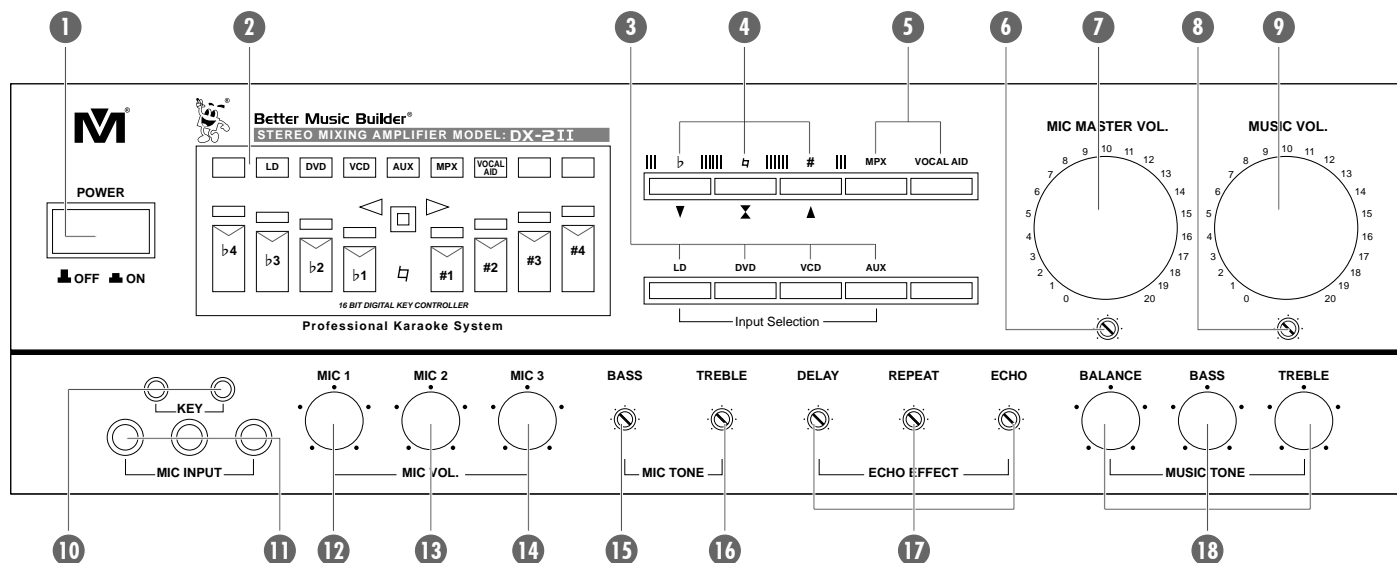
18 MUSIC TONE CONTROL

for Music. These knobs control the music bass, middle, and treble.

BASS: The bass controls the low tones with 16 steps resolution, from -8dB ~ 8dB adjustment.

MID: The middle controls the mid-range tones with 16 steps resolution, from -8dB ~ 8dB adjustment.

TREBLE: The treble controls the high tones with 16 steps resolution, from -8dB ~ 8dB adjustment.



REAR PANEL:

17 THREE-SOURCE INPUTS FOR VIDEO

Three external video input sources: KOD, DVD, VOD.

18 WIRELESS MIC REAR INPUTS (MIC4/MIC5)

This is the dedicated wireless microphone inputs designed specifically to work with the available wireless microphone reception base station.

19 REMOTE

This S Remote control terminal is specially design to connect VOD control panel and/or the optional programmable Effects Control Software Suite connector.

20 VIDEO OUTPUT

Dedicated composite video output. If 3 or 4 more is needed, use an external composite video selector. If the wiring distance to the output source is more than 25 feet. A composite video distributor is needed; otherwise, the video will be very poor.

21 MAIN LEFT SPEAKER POWERED OUTPUT

Dedicated Group-A main left channel Powered Output.

22 MAIN RIGHT SPEAKER POWERED OUTPUT

Dedicated Group-A main right channel Powered Output.

23 LOW NOISE DUAL UNITS COOLING FAN

24 POWER SUPPLY SWITCH

Use this switch to select the appropriate power outlet supply voltage.

25 AUDIO INPUT LEVEL CONTROL

Adjust this control to balance the audio input level.

26 FOUR-SOURCE INPUTS FOR AUDIO

Four external audio input sources: LD, DVD, VCD, AUX.

27 AUDIO OUTPUT

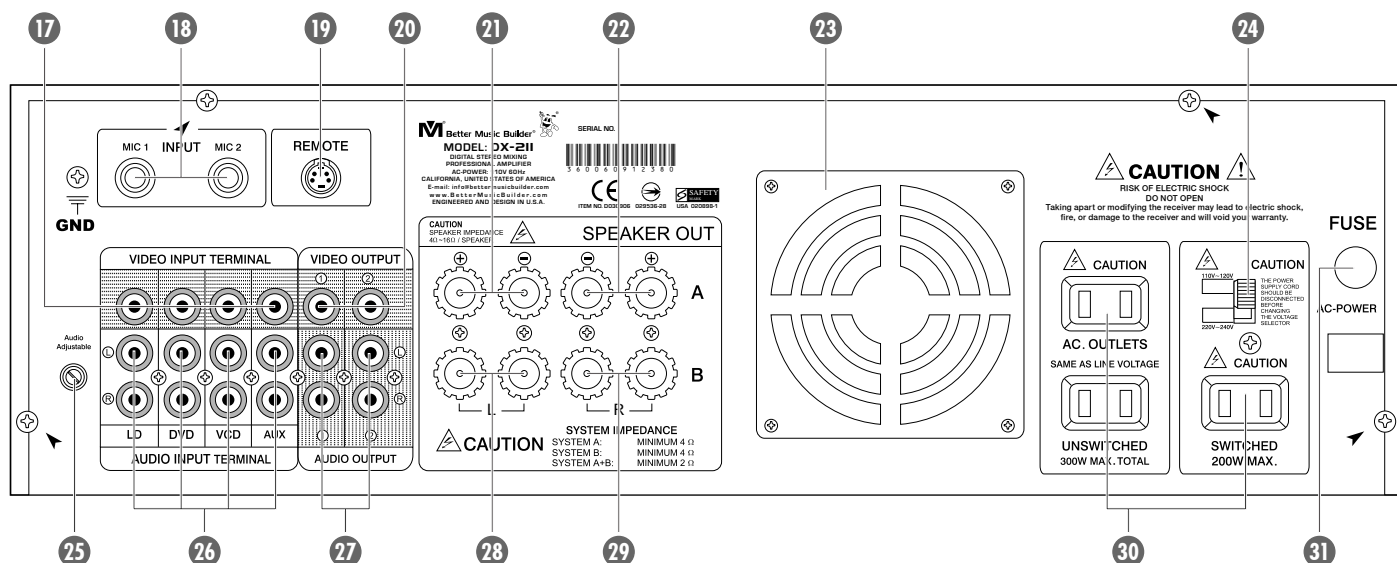
Connect the input jacks of the extension power amplifier, mixer, and video monitor to these RCA jacks.

28 MAIN LEFT SPEAKER POWERED OUTPUT: Dedicated Group-B main left channel Powered Output.

29 MAIN RIGHT SPEAKER POWERED OUTPUT: Dedicated Group-B main right channel Powered Output.

30 AC POWER OUTPUT SOCKET & AC POWER SUPPLY SOCKET.

31 FUSE HOLDER: This is the housing for the power supply fuse.



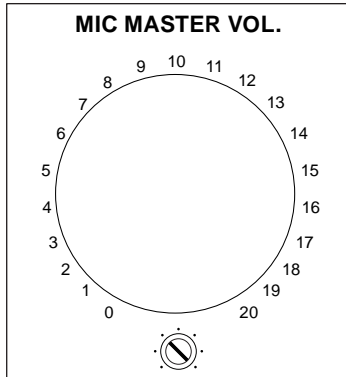


OPERATING INSTRUCTIONS

MODE ADJUSTMENT

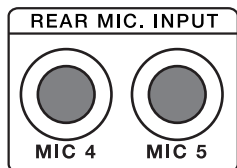
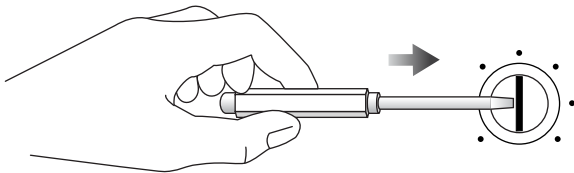
1. Microphone Master Volume Adjustment

Turn MIC MASTER VOL. clockwise to increase and counter-clockwise to decrease microphone master volume.



2. Microphone Gain Adjustment

Turn the pot to adjust the MICROPHONE GAIN. MICROPHONE GAIN is a limiter for microphone volume. This feature is for limiting the output power for speaker protection. Its function is to protect your audio equipment from burning out caused by turning the master microphone volume too high.



NOTE

In the front panel, there are three MICROPHONE INPUT jacks: MIC 1, MIC 2, and MIC 3. In the rear panel, there are two MICROPHONE INPUT jacks: MIC 1 and MIC 2.

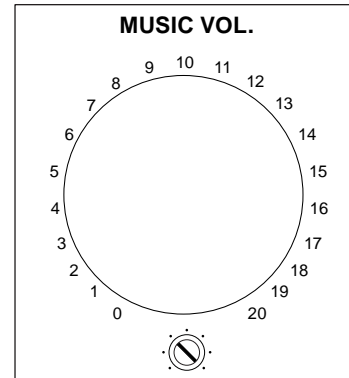
Adjusting MIC 1 MIC VOL. will affect both the front and rear MIC 1 INPUTS at the same time.

Adjusting MIC 2 MIC VOL. will affect both the front and rear MIC 2 INPUTS at the same time.

Adjusting MIC 3 MIC VOL. will affect the MIC 3 INPUT.

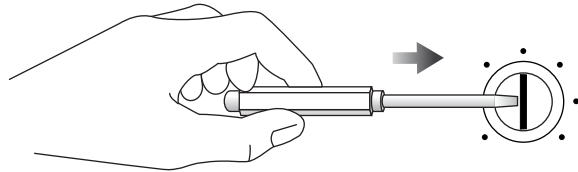
3. Music Volume Adjustment

Turn MUSIC VOL. clockwise to increase and counter-clockwise to decrease the music volume.



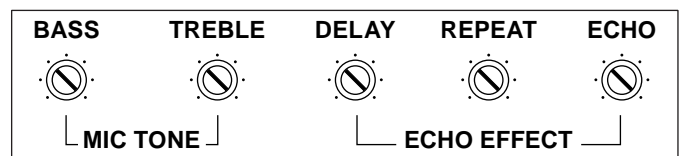
4. Music Gain Adjustment

Turn the pot to adjust the MUSIC GAIN. MUSIC GAIN is a limiter for music volume. This feature is for limiting the output power for speaker protection. Its function is to protect your audio equipment from burning out caused by turning the master music volume too high.



5. Microphone Tone Adjustment

The microphone tone for BASS, TREBLE, DELAY, REPEAT, and ECHO can be adjusted individually by turning each pot.

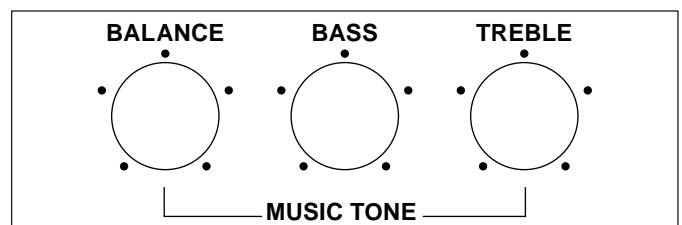


6. Music Tone

Turn BALANCE to adjust the distribution of output level.

Turn BASS to adjust the bass output level.

Turn TREBLE to adjust the treble output level.





SYSTEM SETUP GUIDELINES

INSTALLATION SETUP

Through many years of experience in installation and design for Karaoke business in Asia, the engineering team of Better Music Builder has designed two installation setups as illustrated in figure 1 and figure 2 that can produce excellent sound performance. This design is specifically for North America.

DX-211 is a four-channel Karaoke mixing amplifier. The music comes from main (Group-A & Group-B) speakers.

NOTE DX-211 with four-channel output would produce different effects from that of the 5.1, 7.1 and 7.2 home theater systems for playing movie.

In figure 1, main (Group-A & Group-B) speakers are set up in the front.

In figure 2, all speakers are positioned in parallel in the front. Therefore, we recommend using different size of speakers for main and center speakers. The reason is that main speaker has a bigger woofer (10-inch woofer or bigger) for music and center speaker has a smaller woofer (6-inch woofer) for clear vocal. In addition, the vocal comes independently from the center monitoring speaker. Therefore, the audience can feel the better sound performance and unprecedented experience.

FIGURE 1

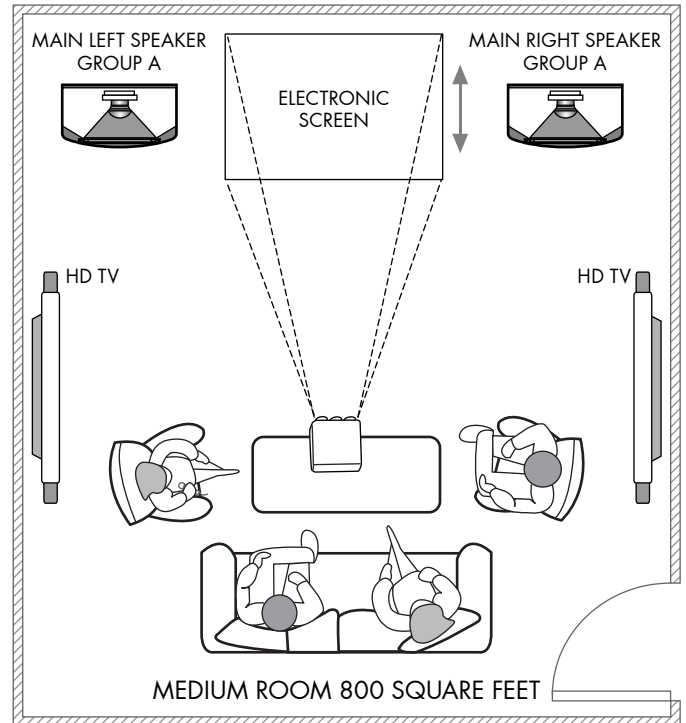
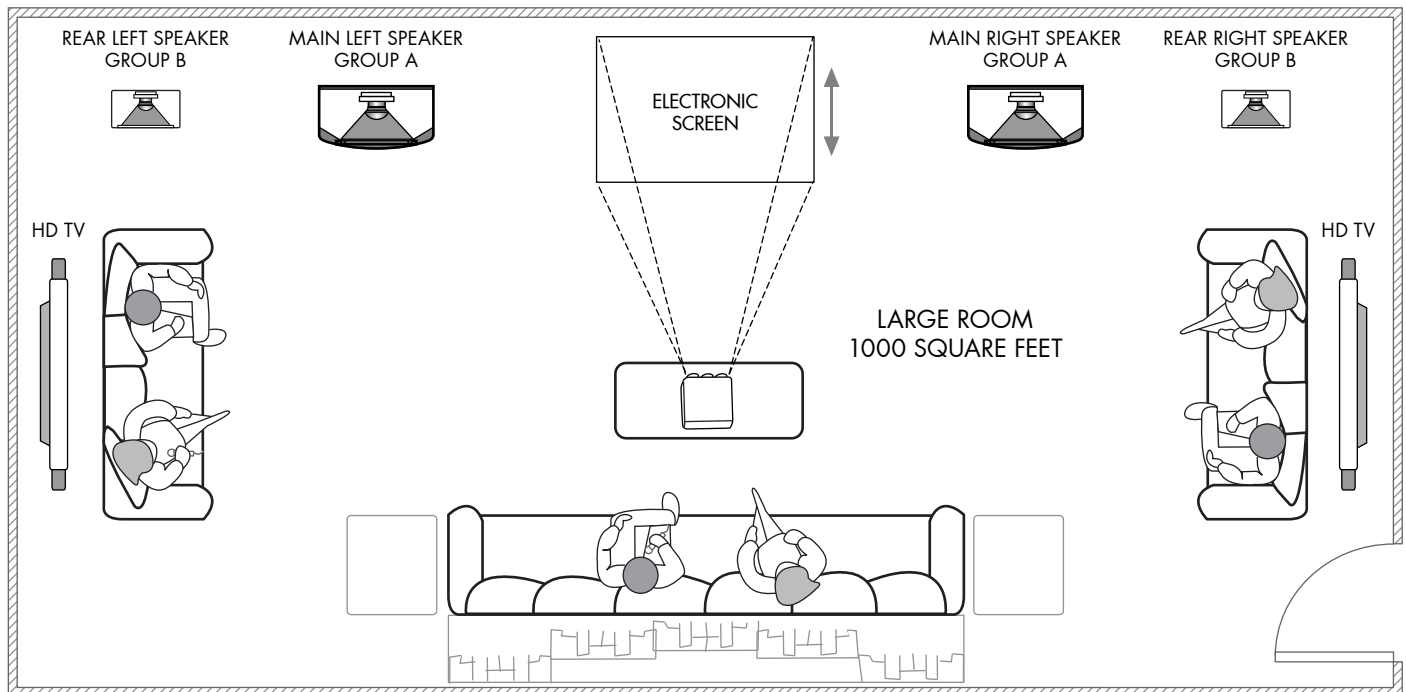


FIGURE 2



HOME THEATER AND KARAOKE

This DX-211 is mixing amplifier with the four-channel speaker. The music and vocal come out from the main speakers. Please refer to figure 2 for the best setup of the Group-A and Group-B speakers.

- A. Main Left Speaker (Group B)
- B. Main Left Speaker (Group A)
- C. Center/Monitor Speaker for Audience
- D. Main Right Speaker (Group A)
- E. Karaoke Video Display
- F. Karaoke Video Display
- G. Wireless Microphone
- H. Monitor for Singer (Left)
- I. Karaoke Video Monitor for Singer
- J. Monitor for Singer (Right)
- K. KTV Touch Screen System
- L. Audio Equipment Rack

FIGURE 1

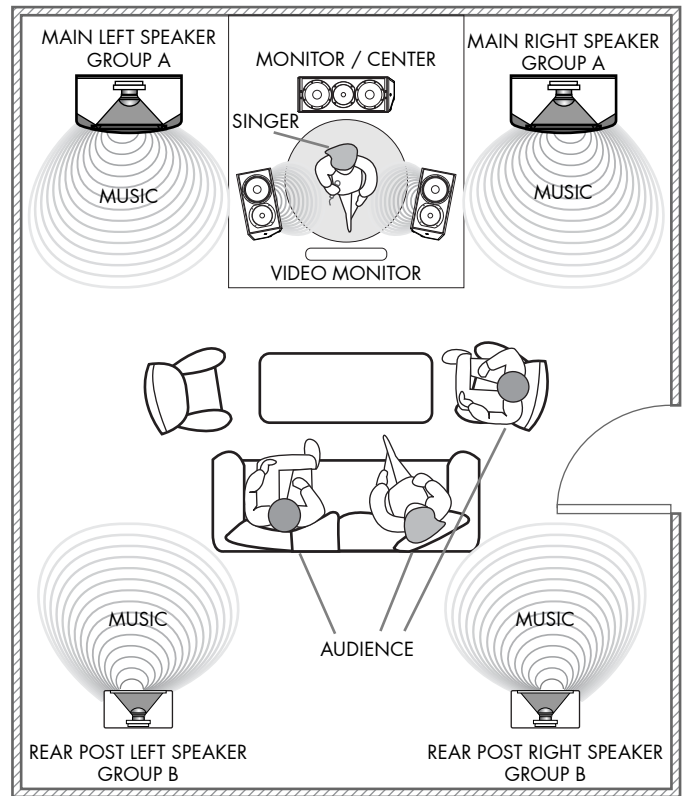
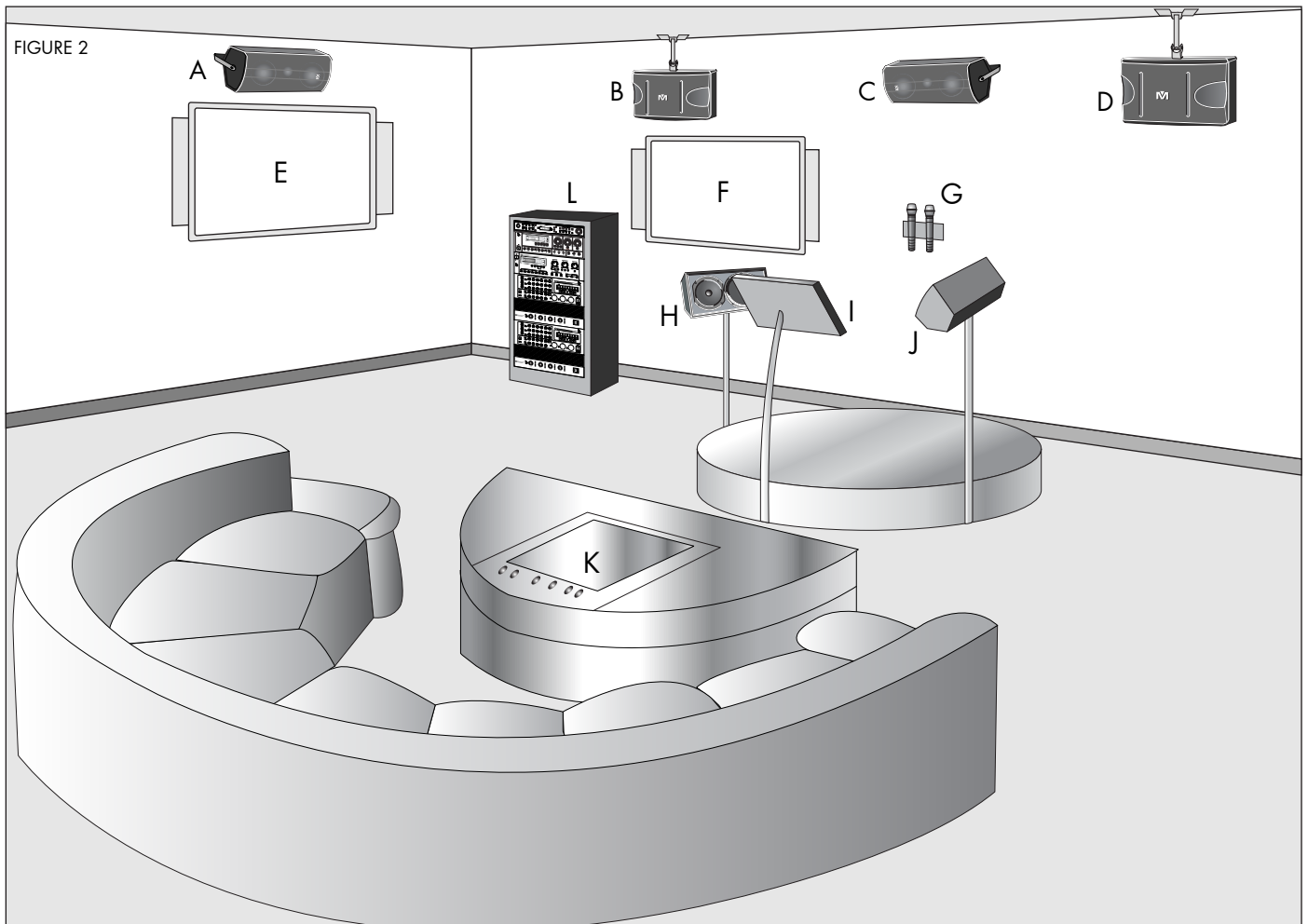


FIGURE 2



COMMERCIAL APPLICATIONS

For commercial or large space setup, you may need two power amplifiers. The main amplifier is to monitor singing and the auxiliary amplifier is for audience. Please refer to the following diagram for hookup.

If you want to set up the DX-211 inside an auditorium or a commercial business of 2,000 square feet or more, we recommend you to use an external power amplifier for output. In this case, you need to “line out” and connect the AUDIO OUT of DX-211 to a power amplifier and a speaker system (with a 12-inch woofer) with power rating of at least 1,000W.

NOTE We recommend you hiring a professional technician to handle the installation for safety purpose.

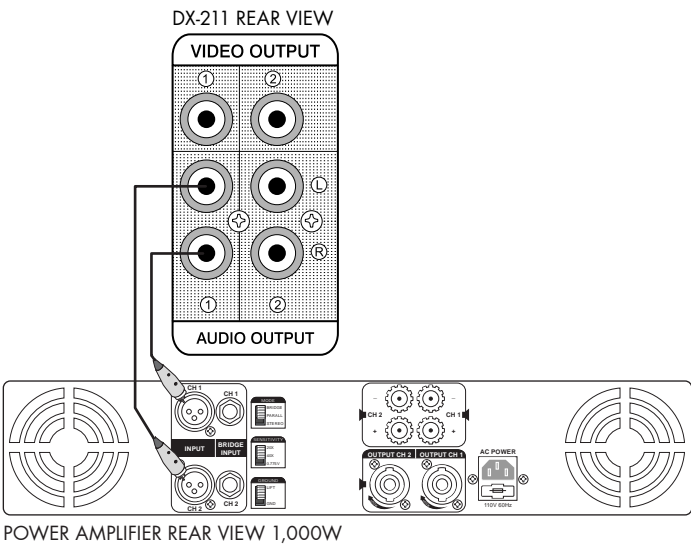


FIGURE 1

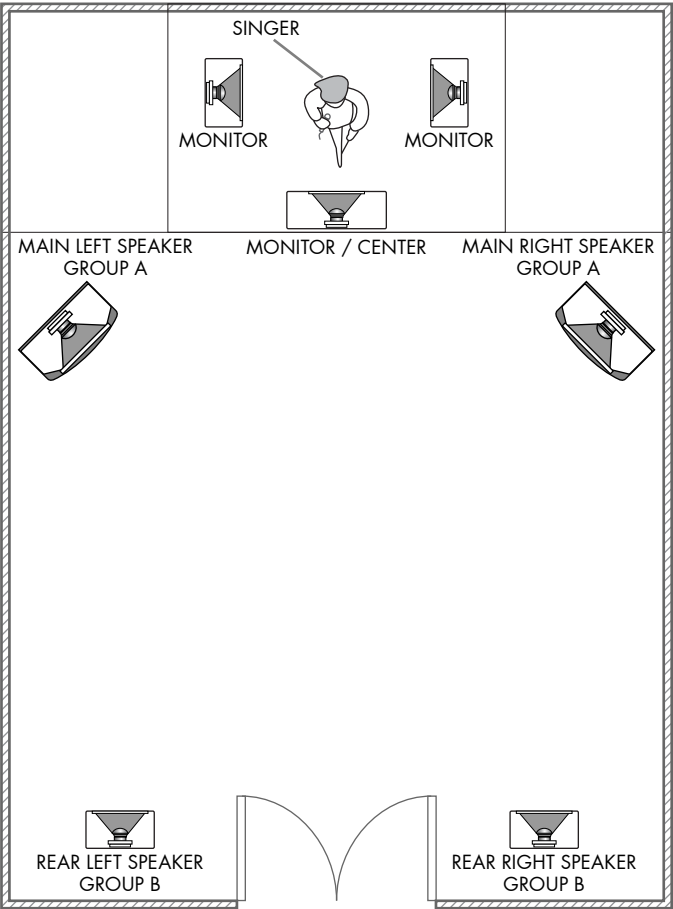
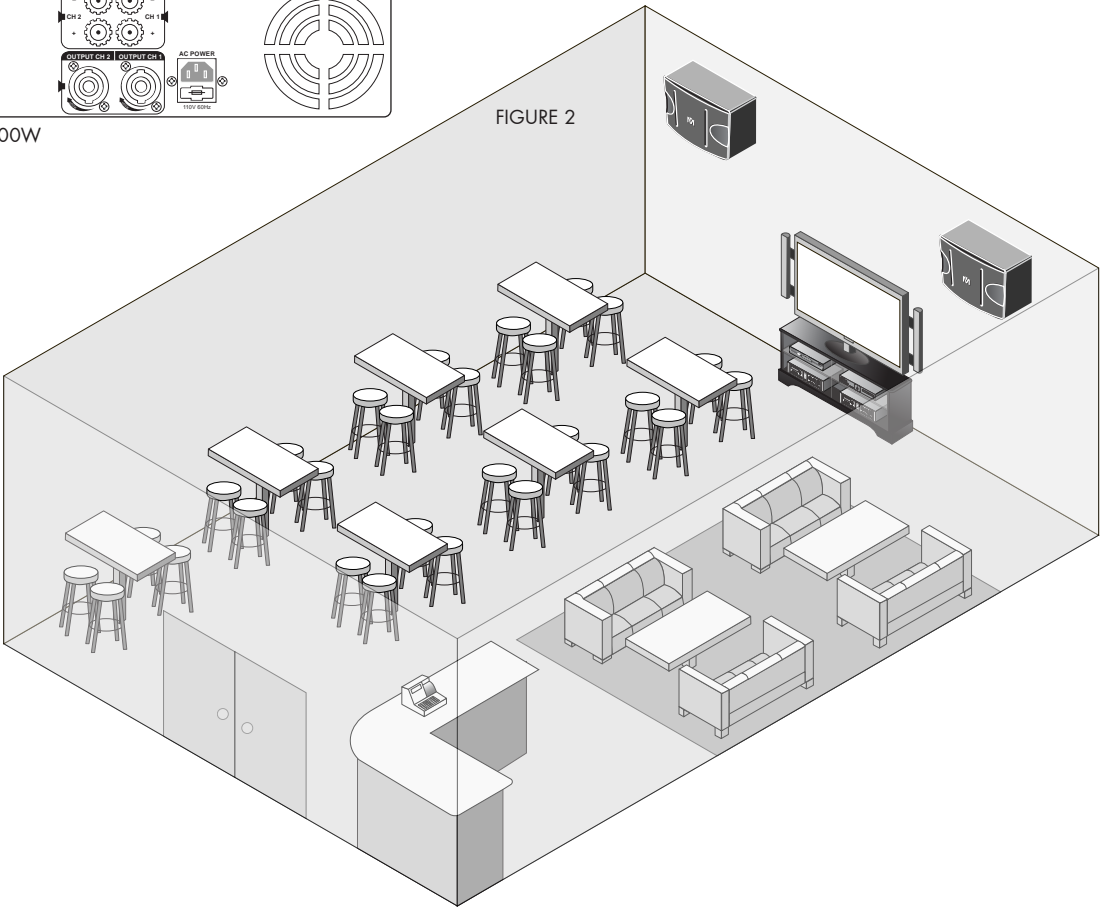


FIGURE 2



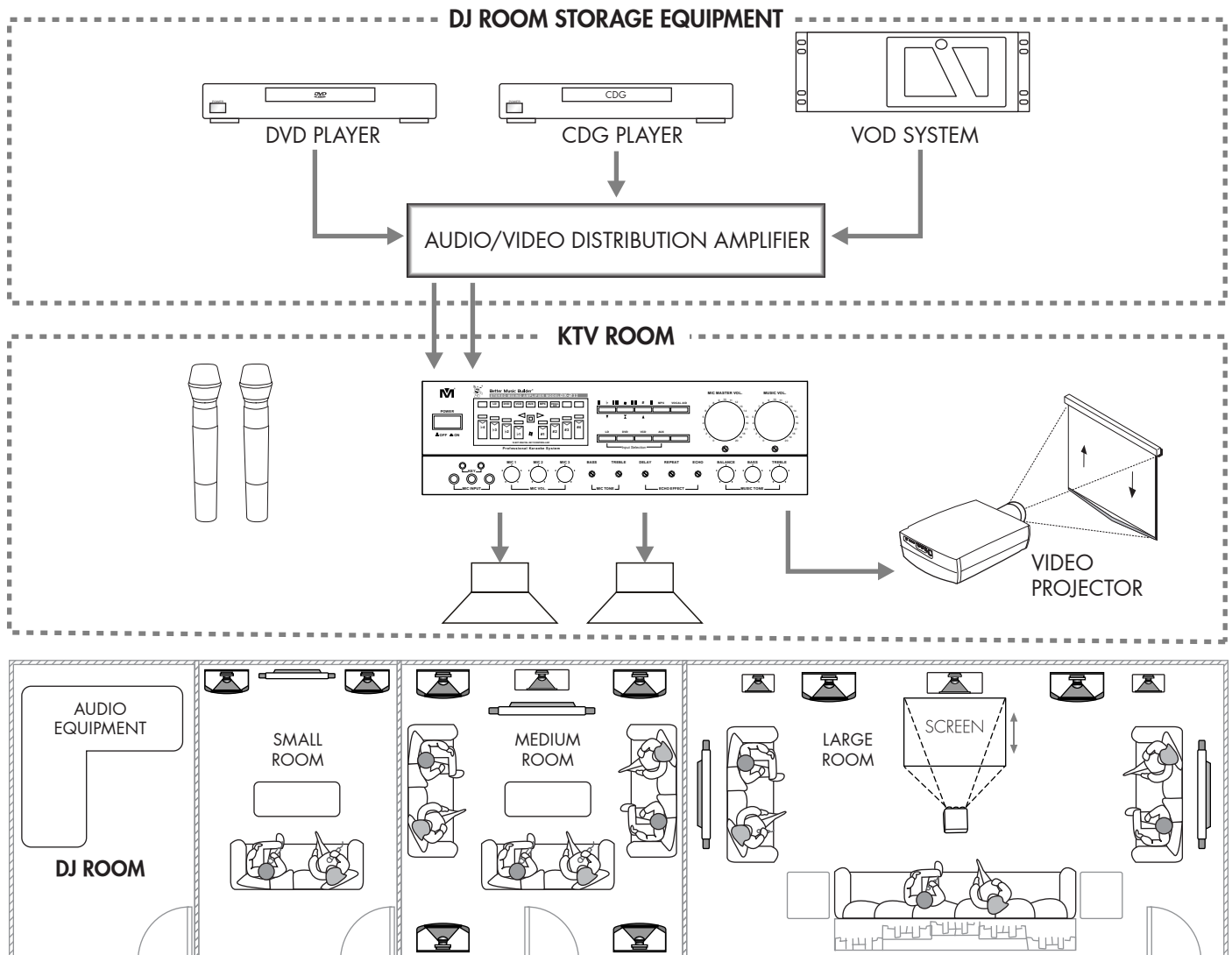
KTV COMMERCIAL APPLICATIONS

Our Better Music Builder engineering team is specialized in KTV equipment design and commercial applications. In KTV audio signal sources (i.e. computer, DVD, VCR and cassette deck) normally come from the DJ room. Each Karaoke room has independent power amplifier and speakers, so it can allow customers to freely make adjustments on music and microphone settings in the Karaoke room. For KTV business application, you need an audio/video distribution amplifier (or simply called AV Distribution amplifier) if the distance between the DJ room and Karaoke room is more than 25 feet to make up for the loss of original signal strength.

A/V Distribution Amplifier is the perfect solution for KTV commercial applications. It is compact, practical and convenient for installation. You can buy this equipment at any audio professional installation company. AV Distribution Amplifier can strengthen the original signals to each Karaoke

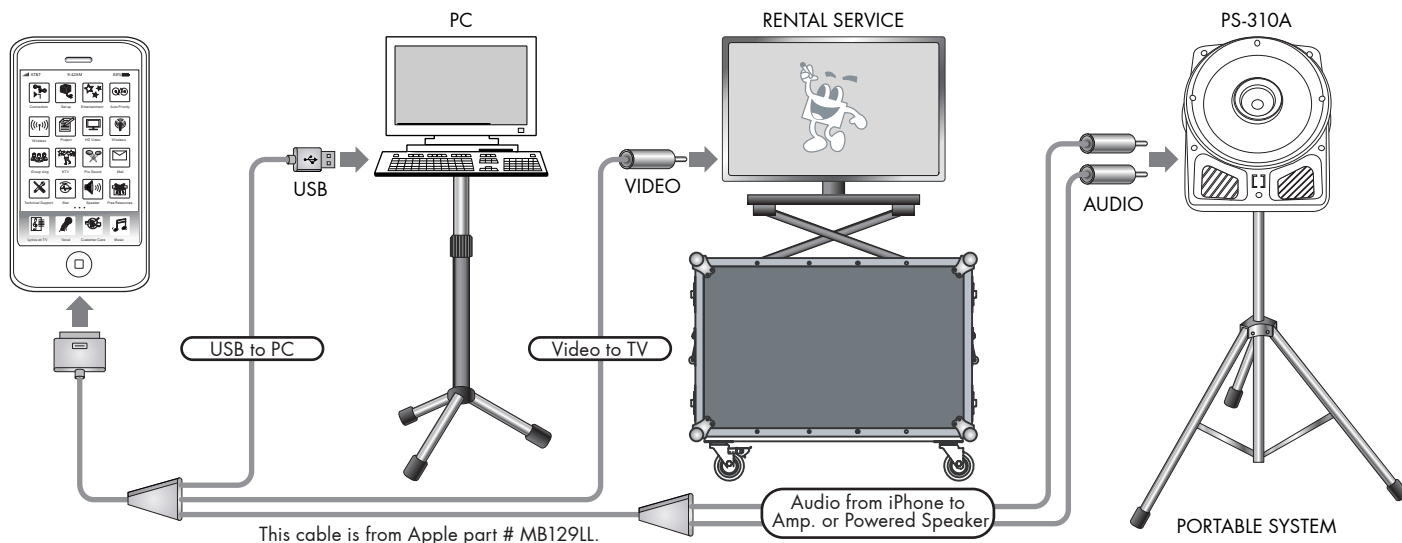
room from the DJ room. It is also the ideal choice for high-quality and economical 4-channel Analog signal distribution from any HDTV (YPbPr) or RGBHV Video source including 1080p, as well as analog stereo or digital (PCM) Audio.

A/V Distribution Amplifier can deliver crystal-clear, color-rich, artifact-free, and pristine HDTV images to component HDTV-ready monitors in all video formats. It can also drive your HD source to plasma displays, front and rear projectors as well as direct view monitors. In addition, it can be adapted for Composite Video applications. Therefore, you definitely need the AV Distributor Amplifier for KTV commercial use. It would offer your customers excellent sound and video quality for entertainment, so it can enhance the image of your KTV and increase the business.

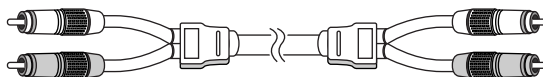


USING EXTERNAL EQUIPMENT

DX-211 is not only a mixing amplifier, but it is also a pre-amplifier specially designed for using external equipment. When you connect other equipment to the mixing amplifier, you may need a different type of cable such as RCA to XLR cable. We highly recommend you using high quality cable for connection, so it can give you the crystal clear sound and sharp video image. Please refer to the following figures.



RCA To RCA Cable



RCA to XLR Cable



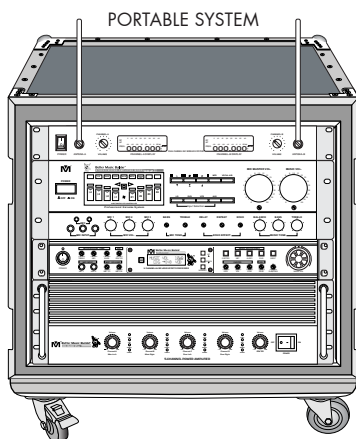
RCA to 1/4 Cable



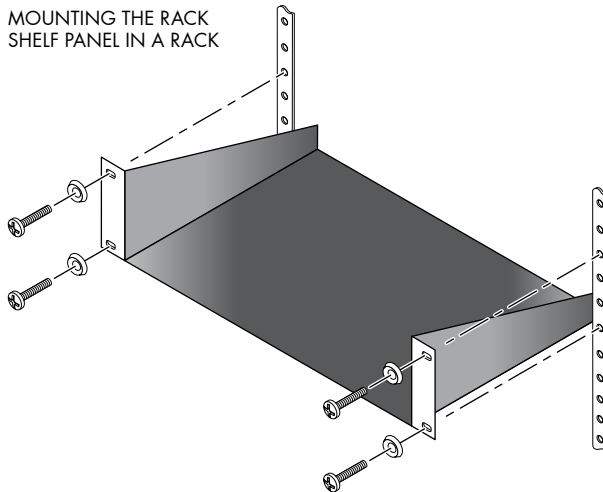
OPTIONAL 19" RACK MOUNT KIT

The Rack Mount kit is optional. Please make sure to get the right kit size, then put the amplifier into the rack. The rack is used to protect the amplifier. With such portable equipment, it is possible to have party at home anytime or use it for Karaoke rental business.

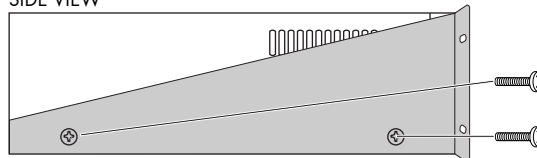
The Bracket/Handler (optional) is used to hold your audio/video equipment firmly in place, but not for transportation. If you need to transport the equipment, we recommend you using the heavy duty clamping rack shelf (optional) as illustrated in figure. You should place the heavy duty clamping rack shelf into the portable case. This would protect your equipment. There are different sizes of the heavy duty clamping rack shelves to suit your specific needs. Please note that the bracket/handler, rack shelf and case are not included in the package. They are optional items and sold separately.



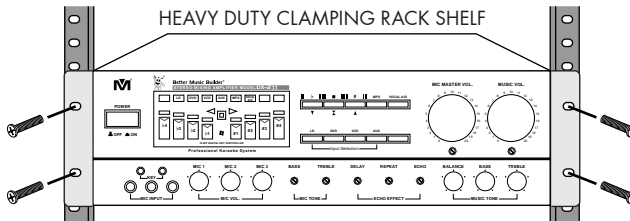
MOUNTING THE RACK SHELF PANEL IN A RACK



SIDE VIEW



HEAVY DUTY CLAMPING RACK SHELF

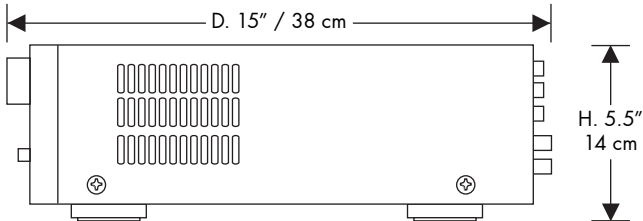




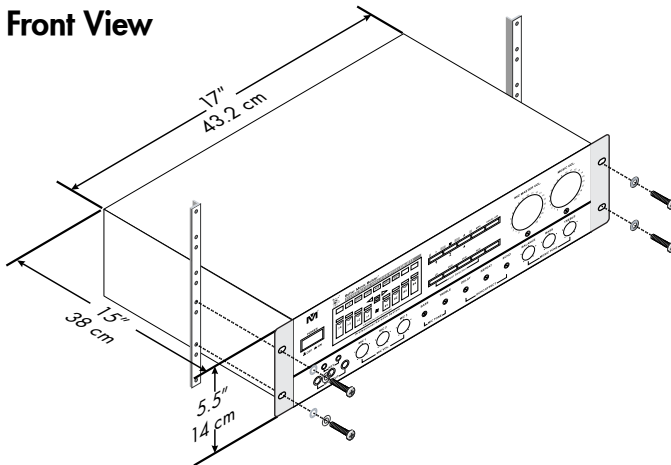
PHYSICAL DIMENSIONS

NET WEIGHT	23 lbs / 10.4 Kg
SHIPPING WEIGHT	25.4 lbs / 11.5 Kg
DIMENSIONS (WxHxD)	17x5.5x15 in / 43.2x14x38 cm
PACKING DIMENSIONS (WxHxD)	19.8x8.3x17.3 in / 50.2x21.1x43.9 cm

Side View



Front View



SPECIFICATIONS

	MIC PART	MUSIC PART
POWER OUTPUT	120W+120W (6 ohm)	
THD	0.05% (1kHz, 60W, 8 Ohm)	
VIDEO INPUT/OUTPUT	1Vp-p/75 ohm	
KEY CONTROL RANGE	9 Steps, +2 -1/2 Tones	
INPUT SENSITIVITY/IMPEDANCE	4.5mV / 3.5K ohm	300mV / 20k ohm
FREQUENCY RESPONSE	40Hz~15kHz, +8/-3dB	20Hz~20kHz, +8/-3dB
TONE ELECTRICAL CIRCUIT	BASS Control:100Hz+10dB TREBLE Control:10kHz+10dB	BASS Control:100Hz±9dB TREBLE Control:100Hz±9dB
POWER REQUIREMENT	AC 110~120V or 220~240V, 50Hz/60Hz Power Consume: 142 Watts	



TROUBLESHOOTING

1. MUSIC VOLUME IS TOO LOW

Symptom: the music volume is too low.

Probable cause: the music volume limiter is set too low.

Remedy: adjust to a higher "Max Music Volume."

3. MIC MASTER VOLUME IS TOO LOW

Symptom: the mic master volume is too low.

Probable cause: the mic master volume limiter is set too low.

Remedy: adjust to a higher "Max Mic Master Volume."

4. NO SOUND FROM MICROPHONE

Probable cause: the microphone cable is not connected, and microphone volume or microphone is not turned on.

Remedy:

- Make sure the microphone cable is connected properly.
- Check to see if the microphone and/or the receiver are turned on.
- Check the microphone volume.

5. NO POWER

Symptom: the machine has no power.

Remedy: check to see if the power cable is well connected and that the power switch on the front panel is turned on.

6. BAD AUDIO OR MICROPHONE SOUNDS

Remedy:

- Check the source of your audio (CD, DVD) to see if it's scratched.
- Check your audio cables or microphone cables.
- Use a better audio cable or 3pin XLR mic cable.

7. NO PICTURE

Remedy:

- Check to see if video sources are selected accordingly.
- Check to see if the video cables are plugged in correctly.

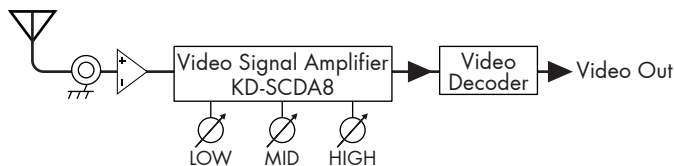
8. VIDEO PROBLEM

Symptoms: the video display appears in black and white color only or it has unstable image.

Possible Causes:

1. Video source (i.e. DVD player) is in different formats like NTSC or PAL. Therefore, you should select the right "Video Format" in the "Output" of the DVD player. It is because the video display is incompatible with the video source.
2. The video out from the amplifier to the video display has a distance over 25 feet. Therefore, you need to add an additional signal distribution amplifier to further enhance the signals for longer destinations.

VIDEO BLOCK DIAGRAM



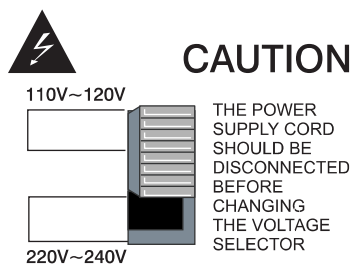
3. You may be using the wrong cable for connection. The cable for video signal is different from the cable for audio, microphone and speaker. Therefore, you should use coaxial cable for connection.
4. You may be using a low quality cable with poor connection. We highly recommend you using high quality audio/video cable for connection.

9. AMPLIFIER SHUT DOWN/INTERFERENCE NOISE

Symptom: the amplifier turned on but there is no music coming out from the speaker powered output channels.

Probable cause: this unit comes with multiple switchable AC-power. For North America its 115V and for Asia and Europe markets are 230V.

Remedy: make sure that the AC-power supply is connected to the correct voltage level according to the local market. See illustration below for the proper switching of the AC-power supply level.

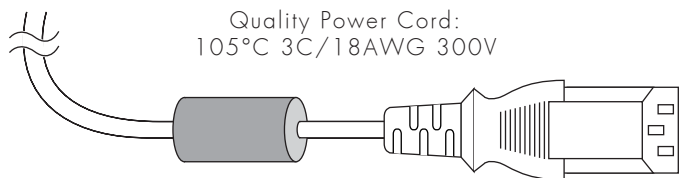


10. PROTECTION FOR AUDIO/VIDEO EQUIPMENT

Before you hook up or disconnect any audio/video equipment, you must turn off the power for all equipments. Otherwise, it may cause black spots to appear on the LCD or Plasma TV screen.

11. NOISE AND DISTORTION

When humming noise or displeasing sound appears, you can replace the supplied power cord with an AC power cord with a magnetic device as shown in the figure below.

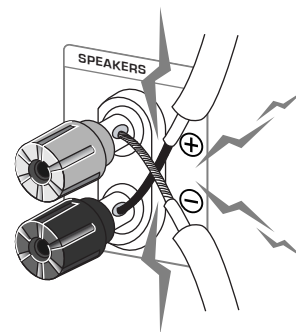


12. SOUND PROBLEM

Symptom: no sound.

Possible Cause:

1. Speaker wires positive and negative touch each other at the terminals. We recommend you using the double banana plug.
2. "Mute" is accidentally turn on from the remote.
3. "MUSIC GAIN" is on with music volume limit adjusted too low.





WARRANTY

ONE-YEAR LIMITED WARRANTY FOR HOME USE EQUIPMENT

Our one-year warranty covers both parts and labors. The warranty becomes effective from the date of your purchase for one year.

Our warranty only covers defects due to product defectiveness with free of defects in materials or workmanship. However, our warranty does not cover defects due to normal wears, damage in transit, improper use, abuse or failure to follow the proper instructions for maintenance. This warranty is void in the event of unauthorized repairs, alternations, modifications and removing of the product label.

Please also note that our warranty does not cover any shipping cost for the return of defective products to us for inspection, repair and maintenance. Our warranty for Better Music Builder products can only be executed in North America.

90-DAY LIMITED WARRANTY FOR PUBLIC AND COMMERCIAL USE EQUIPMENT

Our 90-day warranty applies to speakers, amplifiers, mixers and microphones for both public and commercial use such as restaurant, coffee shop, KTV nightclub, church and school, etc. It covers both parts and labors. The warranty becomes effective from the date of your purchase for 90 days.

Our warranty only covers defects due to product defectiveness with free of defects in materials or workmanship. However, our warranty does not cover defects due to normal wears, damage in transit, improper use, abuse or failure to follow the proper instructions for maintenance. This warranty is void in the event of unauthorized repairs, alternations, modifications and removing of the product label.

Please also note that our warranty does not cover any shipping cost for the return of defective products to us for inspection, repair and maintenance. Our warranty for Better Music Builder products can only be executed in North America.

ADDITIONAL NOTES:

1. Limited warranty for home use equipment is only valid in North America.
2. Limited warranty is valid only if you purchase our products from our authorized dealers (including both regular retailers and online retailers) in North America. If you choose to purchase our products from an authorized dealer, we will not provide any limited product warranty for you. To protect your limited product warranty, please purchase our products from one of our authorized dealers in North America near you.
3. Limited warranty is automatically void if the yellow label stating "No Warranty After Opening" is removed from the product.

TO REGISTER YOUR WARRANTY

Please fill out the warranty card that came with your unit, download or submit online warranty form. However, we need the invoice for your purchase in order to process this warranty. You may also register your warranty online. Please visit our website at www.bettermusicbuilder.com.



AGENCY REGULATORY NOTICES

Federal Communications Commission Notice

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio or television technician for help.

Modifications

The FCC requires the user to be notified that any changes or modifications made to this device that are not approved may void the user's authority to operate the equipment.

Cables

Connections to this device must be made with shielded cables with metallic RFI/EMI connector hoods to maintain compliance with FCC rules and regulations.

Materials Disposal

Disposal of this material can be regulated because of environmental considerations. For disposal or recycling information, contact your local authorities or the Electronic Industries Alliance (EIA) (<http://www.eiae.org>).

Disposal Of Waste Equipment By Users In Private Households In The European Union

This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of

your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

Japanese Notice

この装置は、情報処理装置等電波障害自主規制協議会（VCCI）の基準に基づくクラスB情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。

取扱説明書に従って正しい取り扱いをして下さい。

Japanese Power Cord Notice

製品には、同梱された電源コードをお使い下さい。
同梱された電源コードは、他の製品では使用出来ません。

Japanese Material Content Declaration

A Japanese regulatory requirement, defined by Specification JIS-C-0950, 2005, mandates that manufacturers provide Material Content Declarations for certain categories of electronic products offered for sale after July 1, 2006.

Korean Notice

B급 기기 (가정용 방송통신기기)	이 기기는 가정용(B급)으로 전자파적합등록을 한 기기로서 주로 가정에서 사용하는 것을 목적으로 하며, 모든 지역에서 사용할 수 있습니다.
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Recycling Program

The terms and availability of these programs vary by geography because of differences in regulatory requirements and local customer demand.

因为在当地的监管要求和客户的需求, 这些条件和程序的情况不同。



FINAL WORDS TO USER

The engineering team of Better Music Builder has many years of experience in audio equipment design. The team constantly develops new audio technologies, designs innovative audio and Karaoke equipment to suit your specific needs and provides you great ideas for home entertainment.

Our engineering team also designs audio equipment for commercial use by restaurants, coffee shops, churches, and school auditoriums, etc. If the commercial area for audio equipment installation exceeds 2,000 square feet, we highly recommend you to hire audio professionals to handle the installation in order to avoid risks in breaking the equipment with improper installation and safety protection purposes.

We also provide educational and technical information on audio equipment and technologies. For example, we provide free installation diagrams to make it easier to connect the system. In addition, to get best connections for the sharpest image and sound quality, we provide hot tip for choosing the high quality type of A/V cable connections. Free information on audio equipment and technologies available for download from our website, www.BetterMusicBuilder.com.

Please do not remove the "Yellow Label" in the rear of the machine; otherwise, the warranty will be void automatically. We design it to protect your own safety. If repair and maintenance service is needed, please contact us directly or hire a professional technician. To learn more about the technical aspects, visit our website www.BetterMusicBuilder.com and download the relevant information for review.



Before hooking up the system, turn off the AC powers on all machines including audio/video equipment and TV. Otherwise, it may damage the equipment, especially on the HDTV in which a spot might appeared on the TV screen. After hooking up the system, double check the audio/video connections to ensure that they are connected correctly.

NOTE Sometimes, loose or poor cable quality would affect the microphone effects, picture quality, or even cause the machine to shut down suddenly.

Again, we must thank you for choosing Better Music Builder product. We hope you can make the best use of the machine and enjoy it for years to come. If you have any questions regarding our product, please feel free to contact us at www.BetterMusicBuilder.com.



CONTACT INFORMATION

MAILING ADDRESS



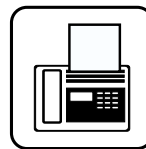
BETTER MUSIC BUILDER
29300 Kohoutek Way #150
Union City, CA 94587
U.S.A.

TELEPHONE NUMBERS



USA Region
USA Toll Free: 1-800-318-2218
Sales & Marketing: 510-477-9955
Customer Service: 510-477-9955

FAX NUMBERS



USA Region
Sales & Marketing: 510-477-9922
Customer Service: 510-477-9922

WORLD WIDE WEB



E-mail: info@bettermusicbuilder.com
Website: www.bettermusicbuilder.com

MAINTENANCE

With proper maintenance and regular service, it would maintain the machine quality and prolong its life. We recommend you to print the following information clearly for future reference on maintenance and warranty.

MODEL# _____ INVOICE # _____

DATE PURCHASED (MM/DD/YYYY) _____

DEALER NAME _____

CITY _____ ST./PROV. _____ ZIP/P.C. _____

DEALER WEBSITE <http://www.> _____

DEALER PHONE # _____

DEALER E-MAIL _____



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